Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 and 2 (canceled).

Claim 3 (currently amended): The module of claim [[2]] 8, wherein ~~said~~ at least one of said first and second loop-back ~~element~~ elements includes a mirror having a reflective surface adapted to be selectively moved between a first position, wherein said reflective surface is located away from said at least one of said output transmission path and said input transmission path and a second position wherein said reflective surface intercepts at least one of said output transmission path and said input transmission path.

Claim 4 (currently amended): The module of claim [[2]] 8, wherein ~~said~~ at least one of said first and second loop-back ~~element~~ elements includes a stationary mirror selectively switchable between a first condition, wherein said mirror is substantially transparent to said optical radiation propagating therethrough and a second condition, wherein said mirror exhibits said surface reflectively interposed in at least one of said output transmission path and said input transmission path.

Claims 5 and 6 (canceled).

Claim 7 (currently amended): The module of claim [[6]] 8, wherein said optical attenuator is interposed between said first and second loop-back elements.

Claim 8 (currently amended): An optoelectronic module, comprising:

an optical radiation source having associated an output transmission path for an optical radiation generated by said source;

an optical radiation detector having associated an input transmission path for said optical radiation to be detected by said detector;

the module comprising, as an integral part thereof, a loop-back arrangement selectively activatable to cause said optical radiation generated by said source to at least partly propagate from said output transmission path towards said input transmission path,

whereby said optical radiation generated by said source is directed towards said optical detector to be detected thereby, said loop-back arrangement comprising:

first and second loop-back elements, said first loop-back element adapted to have a first surface reflectively interposed in said output transmission path to reflect said optical radiation generated by said source towards said second loop-back element; said second loop-back element adapted to have a second surface for reflectively receiving said optical radiation reflected by said first loop-back element and directing said reflected radiation towards said optical detector;

an optical attenuator arranged to be traversed by said optical radiation propagating from said source towards said optical detector, ~~The module of claim 6,~~ wherein said optical attenuator is a variable optical attenuator adapted to be selectively switched between at least a first, high loss condition, wherein said variable optical attenuator substantially prevents propagation of said optical radiation from said source towards said detector and a second, low loss condition, wherein said variable optical attenuator permits propagation of said optical radiation from said source towards said detector.

Claim 9 (currently amended): The module of claim [[7]] 8, wherein said first and second loop-back elements are mirrors having a high straight through coupling/reflection ratio.

Claim 10 (currently amended): The module of claim [[6]] 8, wherein said optical attenuator is ~~a variable optical attenuator~~ interposed between said source and said first loop-back element.

Claims 11 and 12 (canceled).

Claim 13 (currently amended): The module of claim [[1]] 8, wherein said ~~optical radiation~~ source has associated an optical isolator arranged at the upstream end of said loop-back arrangement.

Claim 14 (currently amended): The module of claim [[1]] 8, wherein said loop-back arrangement is in the form of a planar lightwave circuit.